

Paul Blais

Subject: FW: Harris CapRock STA - SES-MSC-20150728-00474

From: Jason Davila [mailto:jdavila@lmiadvisors.com]
Sent: Tuesday, August 04, 2015 1:42 PM
To: Paul Blais
Cc: Carlos Nalda; Alyssa Roberts
Subject: Re: Harris CapRock STA - SES-MSC-20150728-00474

Hi Paul,

Below are the answers to your questions. Please let me know if you'd like any additional information. Thanks.

1. Your application did not affirm that antenna would record ship location, etc. every 20 minutes pursuant to (25.221(a)(5) and 25.222(a)(5). Will they?

Harris CapRock certifies that, pursuant to Section 25.221(a)(5) and 25.22(a)(5) of the Commission's Rules, during proposed experimental operations in C-band and Ku-band for the ST5000-2.4 and v240M terminals, it will keep a time annotated record of the ship location, transmit frequency, channel bandwidth and satellite used and will maintain it for a period of not less than 1 year. The record will be recorded at time intervals no greater than every 20 minutes while any C- or Ku-band ESV is transmitting. Harris CapRock will make this data available upon request to a coordinator, fixed system operator, fixed-satellite system operator, or the Commission within 24 hours of the request.

2. Does Harris Caprock have an ESV operator license and a hub that will be used to communicate/test the ST5000-2.4 Terminal and Intellian v240M earth stations on these vessels of foreign registry? What are vessels country of registry and a point of contact for the relevant administration responsible for licensing ESVs. See 25.221(a)(6) and 25.222(a)(6)

Yes, Harris CapRock has an ESV operator license (Call Sign: E060157) and will be testing the subject terminals using a hub at the Intelsat Moutainside Teleport in Hagerstown, MD , USA.

Pursuant to Section 25.221(a)(6) and 25.222(a)(6) of the Commission's Rules, Harris CapRock certifies that it will test the ST5000-2.4 terminal in the C- and Ku-band on the Carnival Sunshine, a Bahamian-registered cruise ship. The point of contact for the Bahamian licensing administration responsible for licensing ESVs is: Bahamas Maritime Authority, Shirlaw House, 226 Shirley Street, PO Box N-4679, Nassau, Bahamas. Contact at phone number +1 242 356 5772 or email reg@bahamasmaritime.com.

Pursuant to Section 25.221(a)(6) and 25.222(a)(6) of the Commission's Rules, Harris CapRock certifies that it will test the v240M terminal in the C- and Ku-band on the Carnival Victory, a Panamanian-registered cruise ship. The point of contact for the Panamanian licensing administration responsible for licensing ESVs is the: Panama Maritime Authority, Pan Canal Plaza Building (Albrook), Omar Torrijos Herrera Avenue, Albrook, Ancon Borough, Panama. Contact at phone (507) 501-5031 and email rgaribaldi@amp.gob.pa.

3. **Is the Point of contact for control of ESV located in US pursuant to 25.221(a)(7) and 25.222(a)(7) located in the United States, pursuant to Sections 25.221(a)(7) and 25.222(a)(7) of the Commission's Rules, at**

Yes, Harris CapRock certifies that, pursuant to Sections 25.221(a)(7) and 25.222(a)(7) of the Commission's Rules, the point of contact for control of the ESVs during the proposed experimental operations on both vessels is Mike Horn, located at 1025 West NASA Blvd., Melbourne, FL USA 32919 (Phone: 321-724-3384, Mobile: 321-258-441, Text: 3212584414@text.att.net, E-mail: mhorn01@harris.com).

4. **In relation to RAS coordination, the application did not address operations about St Croix and Puerto Rico. 25.222(d)**

Harris CapRock certifies that its proposed test operations will not be conducted in the 14.47-14.5 GHz band within: (a) 45 km of the radio observatory on St. Croix, Virgin Islands (latitude 17°46' N, longitude 64°35' W); (b) 125 km of the radio observatory on Mauna Kea, Hawaii (at latitude 19°48' N, longitude 155°28' W); and (c) 90 km of the Arecibo Observatory on Puerto Rico (latitude 18°20'46" W, longitude 66°45'11" N). Accordingly, coordination with NTIA and IRAC is not required.

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On Aug 3, 2015, at 2:40 PM, Paul Blais wrote:

I have some initial questions.

1. Your application did not affirm that antenna would record ship location, etc. every 20 minutes pursuant to (25.221(a)(5) and 25.222(a)(5). Will they?
2. Does Harris Caprock have an ESV operator license and a hub that will be used to communicate/test the ST5000-2.4 Terminal and Intellian v240M earth stations on these vessels of foreign registry? What are vessels country of registry and a point of contact for the relevant administration responsible for licensing ESVs. See 25.221(a)(6) and 25.222(a)(6)
3. Is the Point of contact for control of ESV located in US pursuant to 25.221(a)(7) and 25.222(a)(7).
4. In relation to RAS coordination, the application did not address operations about St Croix and Puerto Rico. 25.222(d)